

Safety Data Sheet

Paliotol® Yellow L 0962 HD

Revision date : 2015/02/09

Version: 2.0

Page: 1/9

(30041696/SDS_GEN_US/EN)

1. Identification

Product identifier used on the label

Paliotol® Yellow L 0962 HD

Recommended use of the chemical and restriction on use

Recommended use*: pigment

Suitable for use in industrial sector: Paints, lacquers and varnishes industry

* The "Recommended use" identified for this product is provided solely to comply with a US Federal requirement and is not part of the seller's published specification. The terms of this Safety Data Sheet (SDS) do not create or infer any warranty, express or implied, including by incorporation into or reference in the seller's sales agreement.

Details of the supplier of the safety data sheet

Company:

BASF Colors & Effects USA LLC

100 Park Avenue

Florham Park, NJ 07932, USA

Telephone: +1 973 245-6000

Emergency telephone number

CHEMTREC: 1-800-424-9300

BASF HOTLINE: 1-800-832-HELP (4357)

Other means of identification

Molecular formula: C₂₆H₆Cl₈N₂O₄

Chemical family: quinophthalone pigment

Synonyms: Quinophthalone yellow

2. Hazards Identification

According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

Classification of the product

Combustible Dust

Combustible Dust (1)

Combustible Dust

Label elements

Signal Word:

Warning

Safety Data Sheet

Paliotol® Yellow L 0962 HD

Revision date : 2015/02/09
Version: 2.0

Page: 2/9
(30041696/SDS_GEN_US/EN)

Hazard Statement:

May form combustible dust concentration in air.

Hazards not otherwise classified

The product is under certain conditions capable of dust explosion.

According to Regulation 1994 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

Emergency overview

Avoid inhalation of dusts.
Use with local exhaust ventilation.
Wear protective clothing.

3. Composition / Information on Ingredients

According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

This product does not contain any components classified as hazardous under the referenced regulation.

According to Regulation 1994 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

<u>CAS Number</u>	<u>Content (W/W)</u>	<u>Chemical name</u>
30125-47-4	100.0 %	C.I. Pigment Yellow 138

4. First-Aid Measures

Description of first aid measures

General advice:

Remove contaminated clothing.

If inhaled:

If difficulties occur after dust has been inhaled, remove to fresh air and seek medical attention.

If on skin:

Remove contaminated clothing. Wash thoroughly with soap and water. If irritation develops, seek medical attention.

If in eyes:

Wash affected eyes for at least 15 minutes under running water with eyelids held open.

If irritation develops, seek medical attention.

If swallowed:

Rinse mouth and then drink plenty of water. Do not induce vomiting. Seek medical attention if necessary.

Most important symptoms and effects, both acute and delayed

Safety Data Sheet

Paliotol® Yellow L 0962 HD

Revision date : 2015/02/09
Version: 2.0

Page: 3/9
(30041696/SDS_GEN_US/EN)

Symptoms: The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.

Indication of any immediate medical attention and special treatment needed

Note to physician

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

5. Fire-Fighting Measures

Extinguishing media

Suitable extinguishing media:
dry powder, foam

Unsuitable extinguishing media for safety reasons:
carbon dioxide

Additional information:

Avoid whirling up the material/product because of the danger of dust explosion.

Special hazards arising from the substance or mixture

Hazards during fire-fighting:

harmful vapours

Evolution of fumes/fog. The substances/groups of substances mentioned can be released in case of fire.

Advice for fire-fighters

Protective equipment for fire-fighting:

Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

Further information:

Dusty conditions may ignite explosively in the presence of an ignition source causing flash fire.

Impact Sensitivity:

Impact Weight:	10 kg
Height of Fall:	0.4 m
Method:	Explosive properties
Number of positive reactions:	0

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Avoid dust formation. Use personal protective clothing.

Environmental precautions

Contain contaminated water/firefighting water. Do not discharge into drains/surface waters/groundwater.

Methods and material for containment and cleaning up

For small amounts: Pick up with suitable appliance and dispose of.

For large amounts: Contain with dust binding material and dispose of.

Safety Data Sheet

Paliotol® Yellow L 0962 HD

Revision date : 2015/02/09
Version: 2.0

Page: 4/9
(30041696/SDS_GEN_US/EN)

Avoid raising dust.

7. Handling and Storage

Precautions for safe handling

Breathing must be protected when large quantities are decanted without local exhaust ventilation.

Closed containers should only be opened in well-ventilated areas.

Protection against fire and explosion:

Avoid dust formation. Take precautionary measures against static discharges.

Conditions for safe storage, including any incompatibilities

Further information on storage conditions: Keep container tightly closed and dry; store in a cool place.

8. Exposure Controls/Personal Protection

Advice on system design:

Provide local exhaust ventilation to control dust.

Personal protective equipment

Respiratory protection:

Wear a NIOSH-certified (or equivalent) organic vapour/particulate respirator.

Observe OSHA regulations for respirator use (29 CFR 1910.134).

Hand protection:

Chemical resistant protective gloves

Eye protection:

Safety glasses with side-shields. Wear face shield if splashing hazard exists.

General safety and hygiene measures:

Handle in accordance with good industrial hygiene and safety practice. Due to the colouring properties of the product closed work clothes should be used, to avoid stains during manipulation. Eye wash fountains and safety showers must be easily accessible. Wash soiled clothing immediately.

9. Physical and Chemical Properties

Form:	powder	
Odour:	odourless	
Odour threshold:		not applicable
Colour:	yellow	
pH value:	3.5 - 6.5	(50 g/l, 20 °C) (as suspension)
Melting point:	> 350 °C	(1,013 hPa)
Boiling point:		not determined
Flash point:	> 150 °C	(DIN 51758, closed cup)
Flammability:	not highly flammable	(Directive 84/449/EEC, A.10)

Safety Data Sheet

Paliotol® Yellow L 0962 HD

Revision date : 2015/02/09
Version: 2.0

Page: 5/9
(30041696/SDS_GEN_US/EN)

Lower explosion limit:		As a result of our experience with this product and our knowledge of its composition we do not expect any hazard as long as the product is used appropriately and in accordance with the intended use.
Upper explosion limit:		As a result of our experience with this product and our knowledge of its composition we do not expect any hazard as long as the product is used appropriately and in accordance with the intended use.
Autoignition:	> 500 °C	(VDI 2263, sheet 1, 2.6)
Vapour pressure:	< 0.00001 hPa	(20 °C) (OECD Guideline 104)
Relative density:	1.852	(20 °C) (OECD Guideline 109)
Bulk density:	200 - 350 kg/m3	
Vapour density:		The product is a non-volatile solid.
Partitioning coefficient n-octanol/water (log Pow):	1.24	(calculated)
Self-ignition temperature:		(Directive 92/69/EEC, A.16) Based on its structural properties the product is not classified as self-igniting.
Thermal decomposition:	Not a substance liable to self-decomposition according to UN transport regulations, class 4.1.	
Viscosity, dynamic:		Study does not need to be conducted.
Particle size:		(134001)
Solubility in water:		insoluble
Solubility (quantitative):		insoluble
Evaporation rate:		The product is a non-volatile solid.

10. Stability and Reactivity

Reactivity

No hazardous reactions if stored and handled as prescribed/indicated.

Corrosion to metals:

No corrosive effect on metal.

Oxidizing properties:

not fire-propagating (Directive 84/449/EEC, A.17)

Chemical stability

The product is stable if stored and handled as prescribed/indicated.

Possibility of hazardous reactions

Dust explosion hazard.

Conditions to avoid

Avoid dust formation. See MSDS section 7 - Handling and storage.

Incompatible materials

No substances known that should be avoided.

Hazardous decomposition products

Decomposition products:

Safety Data Sheet

Paliotol® Yellow L 0962 HD

Revision date : 2015/02/09
Version: 2.0

Page: 6/9
(30041696/SDS_GEN_US/EN)

Hazardous decomposition products: No hazardous decomposition products if stored and handled as prescribed/indicated.

Thermal decomposition:
Not a substance liable to self-decomposition according to UN transport regulations, class 4.1.

11. Toxicological information

Primary routes of exposure

Routes of entry for solids and liquids are ingestion and inhalation, but may include eye or skin contact. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

Acute Toxicity/Effects

Acute toxicity

Assessment of acute toxicity: Virtually nontoxic after a single ingestion. Virtually nontoxic after a single skin contact. Virtually nontoxic by inhalation.

Oral

Type of value: LD50

Species: rat

Value: > 5,000 mg/kg

Inhalation

Type of value: LC50

No mortality was observed.

Dermal

Type of value: LD50

Species: rat

Value: > 2,000 mg/kg

Irritation / corrosion

Assessment of irritating effects: Not irritating to eyes and skin.

Skin

Species: rabbit

Result: non-irritant

Method: BASF-Test

Eye

Species: rabbit

Result: non-irritant

Method: BASF-Test

Sensitization

Assessment of sensitization: The chemical structure does not suggest a sensitizing effect.

No data available.

Aspiration Hazard

No aspiration hazard expected.

Chronic Toxicity/Effects

Safety Data Sheet

Palitol® Yellow L 0962 HD

Revision date : 2015/02/09
Version: 2.0

Page: 7/9
(30041696/SDS_GEN_US/EN)

Repeated dose toxicity

Assessment of repeated dose toxicity: No data available.

Genetic toxicity

Assessment of mutagenicity: The substance was not mutagenic in bacteria. The substance was not mutagenic in a test with mammals. Mutagenicity tests revealed no genotoxic potential.

Carcinogenicity

Assessment of carcinogenicity: No data available concerning carcinogenic effects.

Reproductive toxicity

Assessment of reproduction toxicity: No data available.

Teratogenicity

Assessment of teratogenicity: No data available.

Symptoms of Exposure

The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.

12. Ecological Information

Toxicity

Aquatic toxicity

Assessment of aquatic toxicity:

At the present state of knowledge, no negative ecological effects are expected. The inhibition of the degradation activity of activated sludge is not anticipated when introduced to biological treatment plants in appropriate low concentrations.

The ecological data given are those of the active ingredient.

Toxicity to fish

LC50 (96 h) > 100 mg/l, Brachydanio rerio (OECD 203; ISO 7346; 84/449/EEC, C.1)

Nominal concentration. The ecological data given are those of the active ingredient.

Aquatic invertebrates

EC50 (48 h) > 100 mg/l, Daphnia magna

The product has low solubility in the test medium. An eluate has been tested. Nominal concentration. The ecological data given are those of the active ingredient.

Aquatic plants

EC50 (72 h) > 100 mg/l, Desmodesmus subspicatus (OECD Guideline 201)

Nominal concentration. The ecological data given are those of the active ingredient.

Chronic toxicity to fish

No data available.

Chronic toxicity to aquatic invertebrates

No data available.

Microorganisms/Effect on activated sludge

Toxicity to microorganisms

Directive 88/302/EEC, part C, p. 118 activated sludge/EC50 (0.5 h): > 100 mg/l

The ecological data given are those of the active ingredient.

Safety Data Sheet

Paliotol® Yellow L 0962 HD

Revision date : 2015/02/09
Version: 2.0

Page: 8/9
(30041696/SDS_GEN_US/EN)

Persistence and degradability

Assessment biodegradation and elimination (H₂O)

The product is not very soluble in water and can thus be removed from water mechanically in suitable effluent treatment plants.

Elimination information

50 - 100 % (Static test)

Bioaccumulative potential

Assessment bioaccumulation potential

Because of the n-octanol/water distribution coefficient (log Pow) accumulation in organisms is not to be expected.

Mobility in soil

Assessment transport between environmental compartments

The substance will not evaporate into the atmosphere from the water surface.
Adsorption to solid soil phase is not expected.

Additional information

Adsorbable organically-bound halogen (AOX):

The product contains according to the formulation, organically bound halogen. It can increase the AOX-value in the water purification plants overflow or if it reaches waters.

13. Disposal considerations

Waste disposal of substance:

Do not discharge into drains/surface waters/groundwater. Dispose of in accordance with national, state and local regulations.

Container disposal:

Dispose of in accordance with national, state and local regulations. Recommend crushing, puncturing or other means to prevent unauthorized use of used containers.

RCRA: NONE

14. Transport Information

Land transport

USDOT

Not classified as a dangerous good under transport regulations

Sea transport

IMDG

Not classified as a dangerous good under transport regulations

Air transport

IATA/ICAO

Safety Data Sheet

Paliotol® Yellow L 0962 HD

Revision date : 2015/02/09
Version: 2.0

Page: 9/9
(30041696/SDS_GEN_US/EN)

Not classified as a dangerous good under transport regulations

15. Regulatory Information

Federal Regulations

Registration status:

Chemical TSCA, US released / listed

EPCRA 311/312 (Hazard categories): Fire (Combustible Dust);

State regulations

CA Prop. 65:

WARNING: THIS PRODUCT CONTAINS A CHEMICAL(S) KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER AND BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.

NFPA Hazard codes:

Health : 1 Fire: 1 Reactivity: 0 Special:

HMIS III rating

Health: 1 Flammability: 1 Physical hazard: 0

16. Other Information

SDS Prepared by:

BASF NA Product Regulations
SDS Prepared on: 2015/02/09

We support worldwide Responsible Care® initiatives. We value the health and safety of our employees, customers, suppliers and neighbors, and the protection of the environment. Our commitment to Responsible Care is integral to conducting our business and operating our facilities in a safe and environmentally responsible fashion, supporting our customers and suppliers in ensuring the safe and environmentally sound handling of our products, and minimizing the impact of our operations on society and the environment during production, storage, transport, use and disposal of our products.

Paliotol® Yellow L 0962 HD END OF DATA SHEET